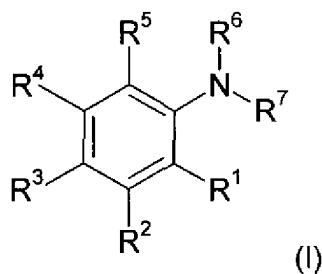


Amendments to the Claims:

Please amend the claims as follows:

What is claimed is:

1. (Currently Amended) A compound of formula (I):



including salts, solvates, and physiologically functional derivatives thereof, wherein

R^1 is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, $\text{C}_1\text{-C}_6$ alkoxy, haloalkoxy, $-\text{OC}(\text{O})\text{R}^8$, or aryl;

R^2 is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, $\text{C}_1\text{-C}_6$ alkoxy, haloalkoxy, $-\text{OC}(\text{O})\text{R}^8$, or aryl;

R^3 is cyano, nitro, halogen, haloalkyl, heterocyclyl, hydroxy, $\text{C}_1\text{-C}_6$ alkoxy, haloalkoxy, $-\text{OC}(\text{O})\text{R}^8$, $-\text{C}(\text{O})_2\text{R}^8$, $-\text{CONHR}^8$, $-\text{C}(\text{O})\text{R}^8$, $-\text{S}(\text{O})_n\text{R}^8$, $-\text{SO}_2\text{N}(\text{R}^8)_2$, $-\text{NHC}(\text{O})\text{R}^8$, or $-\text{NHSO}_2\text{R}^8$;

R^4 is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, $\text{C}_1\text{-C}_6$ alkoxy, haloalkoxy, $-\text{OC}(\text{O})\text{R}^8$, or aryl;

R^5 is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, $\text{C}_1\text{-C}_6$ alkoxy, haloalkoxy, $-\text{OC}(\text{O})\text{R}^8$, or aryl;

where at least one of R^1 , R^2 , R^4 , and R^5 is not H;

each of R^6 and R^7 independently are selected from H or $-(\text{R}^a)_x\text{-R}^9$;

R^a is a $\text{C}_1\text{-C}_8$ alkylene chain, where x is 0 or 1;

each R^8 independently is H, alkyl, alkenyl, alkynyl, cycloalkyl, heterocyclyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

R^9 is alkyl, haloalkyl, hydroxyalkyl, alkenyl, alkynyl, $\text{C}_1\text{-C}_6$ alkoxy, alkylthio, haloalkoxy, cycloalkyl, formyl, azido, or $-\text{NR}^{10}\text{R}^{11}$;

R^{10} and R^{11} each independently are H, alkyl, $-\text{C}(\text{O})\text{H}$, $-\text{C}(\text{O})\text{R}^{12}$, $-\text{C}(\text{O})\text{OR}^{12}$, or $-\text{SO}_2\text{R}^{12}$; and R^{12} is alkyl.

2. (Original) The compound of claim 1 wherein R^1 , R^5 , or both are H.
3. (Original) The compound of claim 1 wherein R^2 , R^4 , or both are H.
4. (Original) The compound of claim 1 wherein alkyl is C_1 - C_6 alkyl.
5. (Currently Amended) The compound of claim 4 wherein alkyl is C_1 - C_3 alkyl.
6. (Cancelled)
7. (Currently Amended) The compound of claim ~~[[6]]~~ 1 wherein C_1 - C_6 alkoxy is C_1 - C_2 alkoxy.
8. (Original) The compound of claim 1 wherein haloalkyl is C_1 - C_6 haloalkyl.
9. (Original) The compound of claim 8 wherein haloalkyl is trifluoromethyl or trifluoroethyl.
10. (Original) The compound of claim 1 wherein alkenyl is C_2 - C_6 alkenyl.
11. (Original) The compound of claim 10 wherein alkenyl is isopropenyl, isobutenyl, or allyl.
12. (Original) The compound of claim 1 wherein alkynyl is C_2 - C_6 alkynyl.
13. (Original) The compound of claim 12 wherein alkynyl is propynyl.
14. (Original) The compound of claim 1 wherein cycloalkyl is C_3 - C_6 cycloalkyl.
15. (Original) The compound of claim 14 wherein cycloalkyl is cyclopropyl, cyclopentyl, or cyclohexyl.

16. (Original) The compound of claim 1 wherein R^1 or R^5 is nitro, alkyl, haloalkyl, or halogen.
17. (Original) The compound of claim 1 wherein R^2 or R^4 is nitro, cyano, alkyl, haloalkyl, halogen, or hydroxy.
18. (Original) The compound of claim 1 wherein R^3 is cyano, nitro, or halogen.
19. (Original) The compound of claim 18 wherein one or more of R^1 , R^2 , R^4 , or R^5 is haloalkyl.
20. (Original) The compound of claim 19 wherein R^2 or R^4 is haloalkyl.
21. (Original) The compound of claim 18 wherein one or more of R^1 , R^2 , R^4 , or R^5 is halogen.
22. (Original) The compound of claim 21 wherein R^2 or R^4 is halogen.
23. (Original) The compound of claim 22 wherein halogen is chloro.
24. (Original) The compound of claim 18 wherein when R^3 is cyano, one or more of R^1 , R^2 , R^4 , or R^5 is nitro.
25. (Original) The compound of claim 18 wherein when R^3 is nitro, one or more of R^1 , R^2 , R^4 , or R^5 is cyano.
26. (Original) The compound of claim 18 wherein R^3 is cyano and one of R^2 or R^4 is cyano.
27. (Original) The compound of claim 1 wherein R^a is a substituted alkylene, substituted with one or more of alkyl, alkenyl, or hydroxyl.
28. (Original) The compound of claim 27 wherein R^a is methylene.

29. (Original) A compound selected from:

4-[(cyclopropylmethyl)(propyl)amino]-2-(trifluoromethyl)benzonitrile

4-[(cyclopropylmethyl)(propyl)amino]-2-nitrobenzonitrile

4-(diallylamino)-2-(trifluoromethyl)benzonitrile

5-[allyl(cyclopentyl)amino]-2-nitrobenzonitrile

4-[butyl(propyl)amino]-2-nitrobenzonitrile

4-[ethyl(2-methyl-2-propenyl)amino]-2-nitrobenzonitrile

4-[butyl(ethyl)amino]-2-(trifluoromethyl)benzonitrile

4-(dipropylamino)-2-(trifluoromethyl)benzonitrile

N-butyl-N-ethyl-3-methyl-4-nitroaniline

5-(diallylamino)-2-nitrobenzonitrile

5-[(cyclopropylmethyl)(propyl)amino]-2-nitrobenzonitrile

4-(diallylamino)-2-nitrobenzonitrile

3-methyl-4-nitro-N,N-dipropylaniline

4-[sec-butyl(propyl)amino]-2-nitrobenzonitrile

5-[butyl(ethyl)amino]-2-nitrobenzonitrile

2-chloro-4-[(cyclopropylmethyl)(propyl)amino]benzonitrile

5-[butyl(propyl)amino]-2-nitrobenzonitrile

5-[(2-methoxyethyl)(methyl)amino]-2-nitrobenzonitrile

2-chloro-4-(diallylamino)benzonitrile

4-[(2-methoxyethyl)(propyl)amino]-2-nitrobenzonitrile

4-[allyl(cyclopentyl)amino]-2-nitrobenzonitrile

4-[ethyl(2-methyl-2-propenyl)amino]-2-(trifluoromethyl)benzonitrile

2-chloro-4-[[2-(dimethylamino)ethyl](methyl)amino]benzonitrile

N-(2-methoxyethyl)-N,2-dimethyl-4-nitroaniline

N-allyl-N-cyclopentyl-4-nitro-3-(trifluoromethyl)aniline

5-(dipropylamino)-2-nitrophenol

2-chloro-4-(dipropylamino)benzonitrile

5-[ethyl(2-methyl-2-propenyl)amino]-2-nitrobenzonitrile

N,N-diallyl-4-nitro-3-(trifluoromethyl)aniline

N,N-diallyl-2-methyl-4-nitroaniline

5-[(cyclopropylmethyl)(propyl)amino]-2-nitrophenol

N-(2-methoxyethyl)-3-methyl-4-nitro-N-propylaniline
4-[butyl(propyl)amino]-2-chlorobenzonitrile
N-butyl-2-chloro-N-methyl-4-nitroaniline
4-(dipropylamino)-2-nitrobenzonitrile
2-chloro-4-[(2-methoxyethyl)(propyl)amino]benzonitrile
N,N-diallyl-3-methyl-4-nitroaniline
N-(sec-butyl)-4-nitro-N-propyl-3-(trifluoromethyl)aniline
4-(dipentylamino)-2-nitrobenzonitrile
N-(cyclopropylmethyl)-3-methyl-4-nitro-N-propylaniline
5-(dipropylamino)-2-nitrobenzonitrile
N,N-dibutyl-4-nitro-3-(trifluoromethyl)aniline
N1-(2-chloro-4-nitrophenyl)-N1,N2,N2-trimethyl-1,2-ethanediamine
5-[sec-butyl(propyl)amino]-2-nitrobenzonitrile
N-ethyl-N-(2-methyl-2-propenyl)-4-nitro-3-(trifluoromethyl)aniline
N-(2-methoxyethyl)-4-nitro-N-propyl-3-(trifluoromethyl)aniline
4-[butyl(ethyl)amino]-2-chlorobenzonitrile
5-(dibutylamino)-2-nitrobenzonitrile
4-[butyl(ethyl)amino]-2-nitrobenzonitrile
4-[(2-methoxyethyl)(propyl)amino]-2-(trifluoromethyl)benzonitrile
5-[(2-methoxyethyl)(propyl)amino]-2-nitrobenzonitrile
4-[allyl(cyclopentyl)amino]-2-(trifluoromethyl)benzonitrile
4-[butyl(propyl)amino]-2-(trifluoromethyl)benzonitrile
N,N-dibutyl-3-methyl-4-nitroaniline
4-[methyl(octyl)amino]-2-nitrobenzonitrile
4-(dibutylamino)-2-(trifluoromethyl)benzonitrile
N-(cyclopropylmethyl)-4-nitro-N-propyl-2-(trifluoromethyl)aniline
N-allyl-N-cyclohexyl-4-nitro-3-(trifluoromethyl)aniline
4-[(2-methoxyethyl)(methyl)amino]-3-(trifluoromethyl)benzonitrile
4-(diallylamino)-3-nitrobenzonitrile
N-1-(2-chloro-4-nitrophenyl)-N1,N3,N3-trimethyl-1,3-propanediamine
N,N-bis(2-methoxyethyl)-4-nitro-3-(trifluoromethyl)aniline
4-[sec-butyl(propyl)amino]-2-(trifluoromethyl)benzonitrile
2-chloro-4-[ethyl(2-methyl-2-propenyl)amino]benzonitrile

N-cyclohexyl-N-ethyl-4-nitro-3-(trifluoromethyl)aniline
2-chloro-4-(dibutylamino)benzonitrile
4-[cyclohexyl(ethyl)amino]-2-nitrobenzonitrile
4-[bis(2-ethoxyethyl)amino]-3-chlorobenzonitrile
2-chloro-N-(2-methoxyethyl)-N-methyl-4-nitroaniline
N-butyl-N-ethyl-4-nitro-3-(trifluoromethyl)aniline
N-(sec-butyl)-3-methyl-4-nitro-N-propylaniline
N-(2-methoxyethyl)-N-methyl-4-nitro-2-(trifluoromethyl)aniline
4-[bis[3-(dimethylamino)propyl]amino]-2-(trifluoromethyl)benzonitrile
N-(cyclopropylmethyl)-4-nitro-N-propyl-3-(trifluoromethyl)aniline
4-[(methyl)(octyl)amino]-2-(trifluoromethyl)benzonitrile
4-(propylamino)-2-(trifluoromethyl)benzonitrile
4-nitro-N-propyl-3-(trifluoromethyl)aniline
3-[[4-nitro-3-(trifluoromethyl)phenyl]amino]propan-1-ol
4-[(3-hydroxypropyl)amino]-2-(trifluoromethyl)benzonitrile
4-[[2-hydroxy-1-(hydroxymethyl)ethyl]amino]-2-(trifluoromethyl)benzonitrile
4-(dimethylamino)-2-(trifluoromethyl)benzonitrile
4-(diethylamino)-2-(trifluoromethyl)benzonitrile
4-[methyl(2-methylpropyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(cyclopropylmethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(cyclopropylmethyl)(3-hydroxypropyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(cyclopropylmethyl)(2-hydroxyethyl)amino]-2-(trifluoromethyl)benzonitrile
N-(cyclopropylmethyl)-4-nitro-3-(trifluoromethyl)aniline
3-[(cyclopropylmethyl)[4-nitro-3-(trifluoromethyl)phenyl]amino]-1-propanol
2-[(cyclopropylmethyl)[4-nitro-3-(trifluoromethyl)phenyl]amino]ethanol
4-[(cyclopropylmethyl)amino]-3-(trifluoromethyl)benzonitrile
1-[4-[(cyclopropylmethyl)(propyl)amino]-2-(trifluoromethyl)phenyl]ethanone
4-[(1-cyclopropylethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[allyl(1-cyclopropylethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2-dimethylpropyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2-dimethylpropyl)(3-hydroxypropyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2-dimethylpropyl)(2-propen-1-yl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,3-dihydroxypropyl)(2,2-dimethylpropyl)amino]-2-(trifluoromethyl)benzonitrile

4-[(2,2-dimethylpropyl)(2-oxoethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2-dimethylpropyl)(2-hydroxyethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2-dimethylpropyl)(propyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(1,1-dimethylethyl)amino]-2-(trifluoromethyl)benzonitrile
N-(1,1-dimethylethyl)-4-nitro-3-(trifluoromethyl)aniline
N-(cyclopropylmethyl)-N-(1,1-dimethylethyl)-4-nitro-3-(trifluoromethyl)aniline
4-[(1,1-dimethylethyl)(2-propen-1-yl)amino]-2-(trifluoromethyl)benzonitrile
4-[(1,1-dimethylethyl)(2-oxoethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(1,1-dimethylethyl)(propyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(3-hydroxypropyl)[(1S)-1-methylpropyl]amino]-2-(trifluoromethyl)benzonitrile
2-(trifluoromethyl)-4-[(3,3,3-trifluoropropyl)amino]benzonitrile
4-[bis(2-fluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-nitro-N-(2,2,2-trifluoroethyl)-3-(trifluoromethyl)aniline
4-[(3-hydroxypropyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(3-hydroxypropyl)(2,2,2-trifluoroethyl)amino]-3-(trifluoromethyl)benzonitrile
4-bromo-N,N-bis(2,2,2-trifluoroethyl)-3-(trifluoromethyl)aniline
4-[bis(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2-difluoroethyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
bis(2,2,2-trifluoroethyl)[2-(trifluoromethyl)-4-biphenyl]amine
4-[(2-hydroxyethyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[[2-(methyloxy)ethyl](2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[[2-(ethyloxy)ethyl](2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2,2,2-trifluoroethyl){2-[(2,2,2-trifluoroethyl)oxy]ethyl}amino]-2-(trifluoromethyl)benzonitrile
4-[methyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[ethyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[propyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[butyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(2-methylprop-2-enyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[isobutyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[(3-methylbut-2-enyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[isopentyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile
4-[prop-2-ynyl(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile

4-[(2-fluoroethyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile

4-[[2-(methylthio)ethyl](2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile

4-[(2-azidoethyl)(2,2,2-trifluoroethyl)amino]-2-(trifluoromethyl)benzonitrile

N-{2-[[4-cyano-3-(trifluoromethyl)phenyl](2,2,2-trifluoroethyl)amino]ethyl} acetamide

methyl 2-[[4-cyano-3-(trifluoromethyl)phenyl](2,2,2-trifluoroethyl)amino]ethylcarbamate

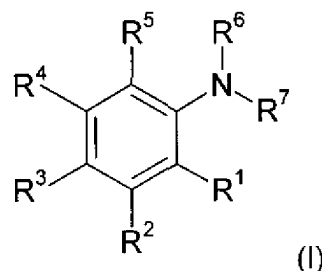
tert-butyl 2-[[4-cyano-3-(trifluoromethyl)phenyl](2,2,2-trifluoroethyl)amino]ethylcarbamate

N-{2-[[4-cyano-3-(trifluoromethyl)phenyl](2,2,2-trifluoroethyl)amino]ethyl}

methanesulfonamide; and

4-(dipropylamino)phthalonitrile.

30. (Currently Amended) A compound of formula (I):



including salts, solvates, and physiologically functional derivatives thereof, wherein

R¹ is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, C₁-C₆ alkoxy, haloalkoxy, -OC(O)R⁸, or aryl;

R² is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, C₁-C₆ alkoxy, haloalkoxy, -OC(O)R⁸, or aryl;

R³ is cyano, nitro, halogen, haloalkyl, heterocyclyl, hydroxy, C₁-C₆ alkoxy, haloalkoxy, -OC(O)R⁸, -C(O)₂R⁸, -CONHR⁸, -C(O)R⁸, -S(O)_nR⁸, -SO₂N(R⁸)₂, -NHC(O)R⁸, or -NHSO₂R⁸;

R⁴ is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, C₁-C₆ alkoxy, haloalkoxy, -OC(O)R⁸, or aryl;

R⁵ is H, cyano, nitro, halogen, haloalkyl, alkyl, alkenyl, alkynyl, hydroxy, C₁-C₆ alkoxy, haloalkoxy, -OC(O)R⁸, or aryl;

each of R⁶ and R⁷ independently are selected from H or -(R^a)_x-R⁹;

R^a is a C₁-C₈ alkylene chain, where x is 0 or 1;

each R⁸ independently is H, alkyl, alkenyl, alkynyl, cycloalkyl, heterocyclyl, aryl, aralkyl, heteroaryl, or heteroaralkyl;

R⁹ is alkyl, haloalkyl, hydroxyalkyl, alkenyl, alkynyl, C₁-C₆ alkoxy, alkylthio, haloalkoxy, cycloalkyl, formyl, azido, or -NR¹⁰R¹¹;

R¹⁰ and R¹¹ each independently are H, alkyl, -C(O)H, -C(O)R¹², -C(O)OR¹², or -SO₂R¹²; and R¹² is alkyl.

31. (Original) The compound of claim 30 wherein each of R¹, R², R⁴, and R⁵ are H.

32. (Original) The compound of claim 30 wherein R³ is cyano or nitro.

33. (Original) The compound of claim 30 wherein the compound is:

N,N-diallyl-4-nitroaniline

N-(cyclopropylmethyl)-4-nitro-N-propylaniline

4-(dipropylamino)benzonitrile; or

4-nitro-N,N-dipropylaniline.

34. (Cancelled)

35. (Previously Presented) A pharmaceutical composition comprising a compound according to claim 1, and a pharmaceutically acceptable carrier.

36-41. (Cancelled)

42. (Previously Presented) A method for the treatment or prophylaxis of osteoporosis, muscle wasting, frailty, cardiovascular disease, breast cancer, uterine cancer, prostatic hyperplasia, prostate cancer, dyslipidemia, menopausal vasomotor conditions, urinary incontinence, arteriosclerosis, libido enhancement, depression, uterine fibroid disease, aortic smooth muscle cell proliferation, endometriosis, or ADAM comprising the administration of a compound according to claim 1.

43. (Previously Presented) A pharmaceutical composition comprising a compound according to claim 29, and a pharmaceutically acceptable carrier.

44. (Previously Presented) A pharmaceutical composition comprising a compound according to claim 30, and a pharmaceutically acceptable carrier.

45. (Previously Presented) A method for the treatment or prophylaxis of osteoporosis, muscle wasting, frailty, cardiovascular disease, breast cancer, uterine cancer, prostatic hyperplasia, prostate cancer, dyslipidemia, menopausal vasomotor conditions, urinary incontinence, arteriosclerosis, libido enhancement, depression, uterine fibroid disease, aortic smooth muscle cell proliferation, endometriosis, or ADAM comprising the administration of a compound according to claim 29.

46. (Previously Presented) A method for the treatment or prophylaxis of osteoporosis, muscle wasting, frailty, cardiovascular disease, breast cancer, uterine cancer, prostatic hyperplasia, prostate cancer, dyslipidemia, menopausal vasomotor conditions, urinary incontinence, arteriosclerosis, libido enhancement, depression, uterine fibroid disease, aortic smooth muscle cell proliferation, endometriosis, or ADAM comprising the administration of a compound according to claim 30.